

Revision Date: August 2002

FORCON MODULE

SECTION B-4

B-4 FORCON MODULE

B-4.1 OVERVIEW

The Force Configuration (FORCON) system is used to develop Civil program manpower requirements. The PRISM FORCON module serves as an Oracle data-storage repository. The data is downloaded and uploaded to and from a PC-based FORCON application software system by HQUSACE, division, district, and other FOA users.

The PRISM FORCON module includes a utility which allows data to be copied from one level to another in the Oracle database. It also provides a report which compares FORCON data against the budgetary data in the PBS module of PRISM. The module also provides an extract of the budgetary/funding data in the PRISM PBS and 2101/3011a modules to serve as the FORCON starting data at the beginning of a new budget year. The module also now provides a status of the FORCON data uploaded to PRISM from the PC by EROC, budget fiscal year and level.

To be consistent with the other modules in PRISM, the SS1 fields that are blank in the PC will show “^^^^^^” in the mainframe.

B-4.2 DATABASE TABLES

The physical structure of the FORCON Module consists of the following tables:

FORCON:

Unique key: EROC, PWI, SS1, BFY, LVL.

This is the main table in the module. It contains the FORCON project information.

FUND:

Unique key: EROC, PWI, SS1, APPN, CCS, BFY, LVL, CCS_SUBSET, FY.

This table contains the money available for each FORCON project. The money represents a grand total for the project, that is, not broken down on the basis of organization and function.

ORG_FUNC:

Unique key: EROC, PWI, SS1, APPN, CCS, BFY, LVL, CCS_SUBSET, FY, FORCON_ORG, FUNC.

This table contains the money and FTE (Full Time Equivalent) associated with each project and broken down on an organization and function basis.

FORFROM:

Unique key: EROC, PWI, SS1, APPN, CCS, BFY, LVL, CCS_SUBSET, FY, AGENCY, CORPS.

This table contains information on the money received from other Corps entities and other agencies outside the Corps, for each project funding.

FORTO:

Unique key: EROC, PWI, SS1, APPN, CCS, BFY, LVL, CCS_SUBSET, FY, FORCON_ORG, FUNC, AGENCY, CORPS.

This table contains information on the money given to other Corps entities and other agencies outside the Corps, for each project funding, broken down by organization and function.

FORAVCST:

Unique key: EROC, BFY, LVL, FY.

This table contains the average cost of FTE's for organizations and functions.

FORCON_STATUS:

Unique key: EROC, LVL.

This table contains information on the date and level a division, district, or FOA last uploaded FORCON data to PRISM.

FORCON_UPDN_COUNT:

Unique key: EROC, LVL, OPERATION, TAB_NAME.

This table contains the record count of the specific FORCON table uploaded by each division, district, or FOA for a specific level.

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Fiscal Yr (Fy)	Budget/Work Allowance	Carry In	Cash	Carry Out
BFY - 1	Appn BZ: 0	Appn BZ: Exp Avl (CY 3011A)	CFY Cash (PBS)	Exp Unsch (CY 2101)
	Other Appn's: Exp Avl (CY 2101) minus Carry In obtained for BFY-1	Other Appn's: Exp Avl(CY 3011A) minus Net Allot (CY 3011A)		
BFY	<u>Appn B or ER: BFY Baseline + TrustFund (PBS)</u>	Exp Unsch (CY 2101)	BFY Cash (PBS)	0
	<u>Other Appn's: BFY Baseline (PBS)</u>			
BFY + 1	<u>Appn B or ER: FY1 Baseline + TrustFund (PBS)</u>	0	FY1 Cash (PBS)	0
	<u>Other Appn's: FY1 Baseline (PBS)</u>			
BFY + 2	<u>Appn B or ER: FY2 Baseline + TrustFund (PBS)</u>	0	FY2 Cash (PBS)	0
	<u>Other Appn's: FY2 Baseline (PBS)</u>			
BFY + 3	<u>Appn B or ER: FY3 Baseline + TrustFund (PBS)</u>	0	FY3 Cash (PBS)	0
	<u>Other Appn's: FY3 Baseline (PBS)</u>			
BFY + 4	<u>Appn B or ER: FY4 Baseline + TrustFund (PBS)</u>	0	FY4 Cash (PBS)	0
	<u>Other Appn's: FY4 Baseline (PBS)</u>			
BFY + 5	FY5 Baseline (PBS)	0	FY5 Cash (PBS)	0
BFY + 6	FY6 Baseline (PBS)	0	FY6 Cash (PBS)	0
BFY + 7	FY7 Baseline (PBS)	0	FY7 Cash (PBS)	0

Fiscal Yr (Fy)	Budget/Work Allowance	Carry In	Cash	Carry Out
BFY +8	FY8 Baseline (PBS)	0	FY8 ——— Cash (PBS)	0
BFY +9	FY9 Baseline (PBS)	0	FY9 ——— Cash (PBS)	0

From Corps and From Other Agency amounts are obtained from existing To/From data, if any, otherwise they are set to zero.

This utility automatically assigns proper CCS codes for project in GI (APPN= 'A' or 'EN') as Reconnaissance or Feasibility as follows:

- a. If CCS.SUBLEVEL = T, the CCS code is left as is.
- b. If CCS.SUBLEVEL = F, its PBS record is checked as follows:
 - If (PBS.F_ALLOC_TOT_PFY + PBS.F_ALLLOC_CFY) < PBS.F_RECON, then the 3rd CCS character is converted to '1'. This project is a Reconnaissance project.
 - If (PBS.F_ALLOC_TOT_PFY + PBS.F_ALLLOC_CFY) > PBS.F_RECON, then the 3rd CCS character is converted to '2'. This project is a Feasibility project.

This utility combines non-federal projects with corresponding federal projects identified by the same EROC, CCS, PWI and SS1 codes. Federal projects are those with APPN = 'A' through 'EZ', or 'X'. When a non-federal project has no corresponding federal project, the non-federal project is processed independently.

An exception to the above are projects which are non-federal APPN = 'GG'. These projects are reassigned with APPN = 'WD', CCS = 'DOI'. In addition, if the Budget/Work Allowance amount > 0, a From Other Agency record is created with the same new reassigned key values, with AGENCY = 'DOI', and with the From Other Agency amount = Budget/Work Allowance amount.

The following records are bypassed and not extracted: a) Projects with APPN = 'GN'; b) Projects whose Budget/Work Allowance and Carry-In amounts cancel each other out. For non-federal projects this bypass is applied prior to combining with corresponding federal project.

The execution listing from the system will be in a file called:

\$HOME/reports/forcextstat

The screen options are:

EROC

District users may only enter their own EROC. Division users may enter a specific EROC within their division or enter '%' in the second position of EROC to access all EROC's within their division. HQUSACE users may enter a specific EROC, or enter '%' in the second position of EROC to access an entire Division, or enter '%' to access all EROC's Corpswide.

BFY

Enter the 4-digit budget fiscal year.

TARGET LVL

Enter a level to load data into. Level 'C' is the level submitted to HQUSACE. Levels '0', '1', '4', through '9' may be used for working copies of the data. Level '2' is reserved for the "Production" data and level '3' is reserved for the "Constrained" data. Other level restrictions will apply.

PROJ.CD

This is the local project code which is an optional 5-character code used to identify the project. You may enter '%' to obtain an extract of all the projects.

APPN

Enter the appropriation code.

CCS

Enter the category/class/subclass code. You may leave this field blank or enter '%' to extract all the projects under the specified APPN.

PWI

Enter the PWI number. You may leave this field blank or enter '%' to extract all the projects under the specified APPN and CCS.

SS1

Enter the subproject or separable element code. This is also the interim CWIS. You may leave this field blank or enter '%' to extract all the projects under the specified APPN, CCS and PWI.

FY

Enter the specific 4-digit fiscal year to be extracted. If left blank, budget fiscal year (BFY) minus one through BFY+9 will be extracted.

When all the parameters have been entered correctly, you will be asked to press the **End** key to start the utility. Appropriate messages will be displayed.

B-4.5 LEVEL TO LEVEL COPY

15-JUL-99		FORCON LEVEL TO LEVEL COPY		012898PH		CPYFORCN	
<div>COPY FROM: COPY TO:</div> <div>-----</div> <div>EROC = % %</div> <div>BFY = 2001 %</div> <div>LEVEL = %</div> <div>PROJ_CD = %</div> <div>PWI = %</div> <div>SS1 = %</div> <div>APPN = %</div> <div>CCS = %</div> <div>COPY CCS SUBCODES: (Y/N) Y</div> <div>(C)OPY/(M)ERGE: C</div> <div>HIT THE [END] KEY HERE TO START --> █</div> <div>Count: *0</div> <div><List><Replace></div>							

Screen Selection: PRISM Main Menu 4 - FORCON Module
FORCON Menu 2 - Level to Level Copy

This utility allows the user to perform copy between projects, years, and levels, and districts/divisions. The screen options are:

- EROC**
- FROM**
District users may only enter a specific EROC. Division users may enter a specific EROC or enter '%' in the second position of EROC to access all EROC's within their division. HQUSACE users may enter a specific EROC, or enter '%' in the second position of EROC to access an entire Division, or enter '%' to access all EROC's Corpwide.
- TO**
District users may only enter their own EROC. Division users may enter a specific EROC within their division or enter '%' in the second position of EROC to access all EROC's within their division. HQUSACE users may enter a specific EROC, or enter '%' in the second position of EROC to access an entire Division, or enter '%' to access all EROC's Corpwide.

BFY

- **FROM**
Enter the budget fiscal year of the data you want copied.
- **TO**
Enter the budget fiscal year you want the data copied into.

Note: Only data with FY between BFY-1 and BFY+4 will be copied.

LEVEL

- **FROM**
Enter the level of the data you want copied. Enter '0'-'9', 'B', or 'C'.
- **TO**
Enter the level you want the data copied into. Level 'C' is the level submitted to HQUSACE. Levels '0' through '9' may be used for working copies of the data. Level '2' is reserved for the "Production" data and level '3' is reserved for the "Constrained" data. Other level restrictions will apply.

PROJ_CD

- **FROM**
Enter the local project code which is an optional 5-character code used to identify the project you want copied. You may also enter '%' if you want to copy all the FORCON projects.
- **TO**
Enter the local project code you want the data copied into. You must enter '%' if you want all the FORCON projects copied.

PWI

- **FROM**
Enter the PWI number you want copied. This field is optional.
- **TO**
Enter the PWI number you want data copied into.

SS1

- **FROM**
Enter the subproject or separable element code you want copied. This field is optional.
- **TO**
Enter the subproject or separable element code you want data copied into.

APPN

- **FROM**
Enter the appropriation code of the data you want copied.
- **TO**
Enter the appropriation code you want data copied into.

CCS

- **FROM**
Enter the category/class/subclass code of the data you want copied.
- **TO**
Enter the category/class/subclass code you want data copied into.

COPY CCS SUBCODES: (Y/N).

- **Y -**
Data will be copied as is.
- **N -**
Only data with CCS subs of '^' will be copied. In cases where no CCS sub of '^' exists, the data of the first CCS sub encountered will be copied as '^'.

COPY/MERGE Enter C or M.

- **Copy -**
Data will be written over. If the **TO** side does not exist, it will be created.
- **Merge -**
FROM data will be added to the **TO** data. If **TO** side does not exist, it will be created.

When all the parameters have been entered correctly, you will be asked to press the **End** key to start the utility. Appropriate messages will be displayed.

B-4.6 FORCON-PBS COMPARISON

15-JUL-99

FORCON-PBS COMPARISON

040398PH

FORCNPBS

EROC: %

BUDGET FISCAL YEAR:

FORCON LEVEL: C

PBS LEVEL: C

APPN:

CCS:

PWI:

SORT BY: (A/C/N): N

DIFFERENCES ONLY: Y

ADDITIONAL TITLE:

<--- Press the [End] key here to start the report.

Example: B1 covers data only for B1. B% for B0, B1, B2, B3, etc. % for all.
Count: *0

<Replace>

Selection: PRISM Main Menu 4 - FORCON Module
FORCON Menu 3 -FORCON-PBS Comparison Report

This report provides a comparison listing of the FORCON data and the PBS data in the PRISM database. If you choose to save the report output to a permanent file, it will be saved in:

- \$HOME/reports/forcnpbs_out
The execution listing from the system will be in a file called:
- \$HOME/reports/forcnpbsstat

The options available are as follows

EROC

District users may only enter their own EROC. Division users may enter a specific EROC within their division or enter '%' in the second position of EROC to access all EROC's within their division. HQUSACE users may enter a specific EROC, or enter '%' in the second position of EROC to access an entire Division, or enter '%' to access all EROC's Corpwide.

BUDGET FISCAL YEAR

Enter the budget fiscal year of the data you want the report to select.

FORCON LEVEL

Enter the level containing the FORCON data you want compared. Default is 'C'.

PBS LEVEL

Enter the level containing the PBS data you want the FORCON data compared with.

APPN

Enter the Appropriation Code of the records you want the report to select. Optional.

To select only the GI (General Investigations) projects, enter 'A' then leave the CCS field blank. This will include only CCS codes within 100's through 160's or in the 400's or 600's.

To select only the CG (Construction, General) projects, enter 'B' then leave the CCS field blank. This will exclude the CAP projects, that is, CCS = 216, 232, 420, 516, 517, 518, 722, 732, 792.

CCS

Enter the CCS Code of the records you want the report to select. Optional.

PWI

Enter the PWI Code of the records you want the report to select. Optional.

SORT BY

Enter your sort selection:

- A - sort by APPN
- C - sort by PWI
- N - sort by Project Name

DIFFERENCES ONLY

Enter 'Y' to select and display only those projects which have different values in FORCON versus PBS.

Enter 'N' to select all projects. The default is 'Y'.

ADDITIONAL TITLE

Enter an additional title of up to 35 characters that will appear on the second or third line of each page heading. This entry is optional.

To start the report, hit the **End** key or **Enter** key to go to the Report Destination screen. Otherwise, press the **Shift + Tab** keys to return to the previous field or enter 'N' to return to the EROC field.

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B-4.6.1 FORCON - PBS COMPARISON REPORT

04/02/98 16:21 Page: 1		FORCON - PBS COMPARISON REPORT (\$000)					012298PH
H1 (LRH) BFY: 1999		Differences Only					FORCON LEVEL: C
AP-CCS--PWI---SS1		ALLOCATIONS		B U D G E T S			PBS LEVEL: C
PROJECT NAME	FOR 1998	FY1999	FY2000	FY2001	FY2002	FY2003	
=====							
C -210-000280-***** ALUM CREEK LAKE, OH							
[FORCON]	BGT/WK ALLOW	589	628	660	685	700	730
	CASH:	0	0	0	0	0	0
[PBS/2101]	BASELINE:	589	628	0	0	0	0
	CASH:	0	0	0	0	0	0
[DIFFERENCE]	BASELINE:	0	0	660	685	700	730
	CASH:	0	0	0	0	0	0
A -121-071006-***** AUGUSTA, KY							
[FORCON]	*** No corresponding record.						
[PBS/2101]	BASELINE:	100	318	150	132	0	0
	CASH:	0	300	168	132	0	0
A -410-071006-***** AUGUSTA, KY, PED							
[FORCON]	*** No corresponding record.						
[PBS/2101]	BASELINE:	0	0	0	0	500	500
	CASH:	0	0	0	0	165	170
B -540-075495-***** BEACH CITY LAKE, MUSKINGUM RIVER LAKES, OH (DAM SAFETY)							
[FORCON]	*** No corresponding record.						
[PBS/2101]	BASELINE:	99	200	1500	1129	0	0
	CASH:	0	0	81	39	0	0
C -210-001280-***** BEECH FORK LAKE, WV							
[FORCON]	BGT/WK ALLOW	0	0	1025	1060	1100	1135
	CASH:	0	0	0	0	0	0
[PBS/2101]	BASELINE:	932	976	0	0	0	0
	CASH:	0	0	0	0	0	0
[DIFFERENCE]	BASELINE:	-932	-976	1025	1060	1100	1135
	CASH:	0	0	0	0	0	0

B-4.7 FORCON UPLOAD STATUS

27-JUN-02		FORCON UPLOAD STATUS						022602PH		FORCSTAT	
BFY:	2003	LVL:	C								
ER	UPLOAD	DATE/TIME	USERID	PROJECT	FUNDING	ORG/FUNC	FROM	TO	AUG		
									CST		
										Print [Sh-F9]	
										Exit [F10]	
Enter the Budget Fiscal Year To View.											
Count: *0										<Replace>	

Selection: PRISM Main Menu 4 - FORCON Module
FORCON Menu 4 -FORCON Upload Status

This screen displays the status of the FORCON data uploaded to PRISM from the PC by each EROC.

The options available are as follows:

BFY

Enter the budget fiscal year of the data you want the screen to display.

LVL

Enter the level containing the FORCON data you want the screen to display.

After the LVL selection, the status of the data requested will be displayed. To get a Corps-wide printout, press the **Shift-F9** keys and the FORCON status report will be sent to your local printer. When you are ready to return to the main menu, press the **F10** exit key.